

[Emergency Laser Array Signal Light]

Abstract of Disclosure

A portable emergency light for long range detection by flight and marine search and rescue personnel which utilizes a battery-powered laser array mounted and sealed within a waterproof housing to increase the effective intensity of a specific class laser. The laser array includes a plurality of laser light generators mounted together to project substantially along a common optical axis producing a signaling light. The search and rescue light may include a rotatable head for directing the signaling lights along a 360 ° plane and a three-dimensional gimbal which maintains the light beams in a level horizontal position so that the signaling lights may be easily projected along the entire horizon relative to the user. Each laser light generator is within US Government safety standards for the specific class laser despite the increased power of the signal. The laser array can be used with optical alignment lenses to form a desired highly visible light pattern.

Figures